

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

12/27/2006

PAPER

3 MONTHS

		Application No.	Applicant(s)	Applicant(s)				
Office Action Summary		10/081,182	KOSHIMIZU ET A	AL.				
		Examiner	Art Unit					
		Stephen M. Brinich	2625					
Period fo	The MAILING DATE of this communication appr r Reply	pears on the cover sheet with	the correspondence a	ddress				
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).								
Status								
1)⊠	Responsive to communication(s) filed on 11 C	october 2006.						
-		action is non-final.						
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is							
	closed in accordance with the practice under I	Ex parte Quayle, 1935 C.D. 1	1, 453 O.G. 213.					
Dispositi	on of Claims							
4)🛛	Claim(s) 1-11 is/are pending in the application		•					
•	4a) Of the above claim(s) is/are withdrawn from consideration.							
5)	Claim(s) is/are allowed.							
6)⊠	Claim(s) 1-3 and 7-9 is/are rejected.							
7)🖂	Claim(s) <u>4-6,10 and 11</u> is/are objected to.							
8)[Claim(s) are subject to restriction and/o	r election requirement.						
Applicati	on Papers							
9)[The specification is objected to by the Examine	er.						
10)	The drawing(s) filed on is/are: a) acc	epted or b) objected to by	the Examiner.					
	Applicant may not request that any objection to the	drawing(s) be held in abeyance	. See 37 CFR 1.85(a).					
	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.								
Priority u	ınder 35 U.S.C. § 119							
12)⊠ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).								
a)⊠ All b)□ Some * c)□ None of:								
	1. Certified copies of the priority documents have been received.							
2. Certified copies of the priority documents have been received in Application No								
3. Copies of the certified copies of the priority documents have been received in this National Stage								
application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.								
dee the attached detailed Office action for a list of the certified copies flot received.								
Attachmen	tie)							
	e of References Cited (PTO-892)	4) Interview Surr	ımary (PTO-413)					
2) Notic	e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO/SB/08)	Paper No(s)/N	Nail Date					
3) 🔀 Information Paper	rmal Patent Application							

Application/Control Number: 10/081,182

Art Unit: 2625

DETAILED ACTION

Claim Rejections - 35 USC § 102

- 1. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.
- 2. Claims 1-3 & 7-9 are rejected under 35 U.S.C. 102(b) as being anticipated by Thirant (US 4240712).

Re claims 1-2 & 7, Thirant discloses (Abstract; column 1, lines 10-14; column 2, lines 34-38; column 5, lines 60-68; column 6, line 59 - column 7, line 16) an optical write image display screen which is switched between two modes, one of which is a transparent (light transmission image writing) mode and the other of which is a scattering (light dispersion image display) mode. Specifically, a thin layer (1) is switched by a role switch section (generator 410 and electrodes 40 & 41) in order to alter its optical characteristics between transparent and scattering mode. Insofar as any layer through which light must pass inherently dims it to some degree, this layer is readable on the recited (and not further specified except insofar as the previously described limitations pertain to it) "dimmer layer".

Re claims 3 & 8-9, Thirant further discloses (column 7, lines 53-61) that one image may be erased and another (necessarily different in optical characteristics and display mode in order to be perceived as different images) written in

its place. Particularly re claim 3, such an erasure of one image and writing of another necessarily includes a mode transition in both directions (i.e. the mode transition is necessarily reversible).

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Allowable Subject Matter

- 3. Claims 4-6 & 11 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
- 4. The following is a statement of reasons for the indication of allowable subject matter:

Re claims 4-5, the art of record does not teach or suggest the recited dimmer layer in conjunction with the recited two-mode optical write image display screen.

Re claim 6, the art of record does not teach or suggest the recited position and attitude adjustment in conjunction with the recited two-mode optical write image display screen.

Re claim 10, the art of record does not teach or suggest the recited access-responsive communication arrangement in conjunction with the recited two-mode optical write image display screen.

Re claim 11, the art of record does not teach or suggest the recited arrangement of multiple independently controlled

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areas in conjunction with the recited two-mode optical write image display screen.

Response to Arguments

5. Applicant's arguments filed 10/11/06 have been fully considered but they are not persuasive.

Applicant argues (10/11/06 Remarks: page 5, line 11 - page 6, line 6) that the Thirant teaches the switching of a display screen between transparent and scattering modes (by varying long molecule orientation), but does not teach the switching of a dimmer layer between light transmission and light dispersion modes.

As noted above, insofar as any layer through which light must pass inherently dims it to some degree, the thin layer of Thirant is readable on the recited "dimmer layer", insofar as it corresponds to the above described limitations of having the recited light transmission (transparent) and light dispersion (scattering) modes.

Applicant argues (10/11/06 Remarks: page 6, lines 7-9) that claim 11 is allowable for at least its dependence on claim 1.

Applicant's arguments re claim 1 have been addressed above.

Conclusion

6. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, THIS

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ACTION IS MADE FINAL. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

7. Any inquiry concerning the contents of this communication or earlier communications from the examiner should be directed to Stephen M. Brinich at 571-272-7430.

Any inquiry relating to the status of this application or proceeding or any inquiry of a general nature concerning application processing should be directed to the Tech Center 2600 Customer Service center at 571-272-2600 or to the USPTO Contact Center at 800-786-9199 or 571-272-1000.

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The examiner can normally be reached on weekdays 8:00-5:30, alternate Fridays off.

The examiner's unit designation has been changed from "Art Unit 2624" to "Technology Division 2625" (as of March 20, 2006).

If attempts to contact the examiner and the Customer Service Center are unsuccessful, supervisor David Moore can be contacted at 571-272-7437.

Faxes pertaining to this application should be directed to the Tech Center 2600 official fax number, which is 571-273-8300 (as of July 15, 2005).

Hand-carried correspondence may be delivered to the Customer Service Window, located at the Randolph Building, 401 Dulany Street, Alexandria, VA 22314.

Stephen M Brinich Examiner Technology Division 2625

smb Sywld December 19, 2006

TUDMAS D. LEE

Sheet 1 of 1

Form PTO-1449 (REV. 8-83)		PATENT & TRADEMARK OFFICE		ATTY DOCKET NO. 112054			APPLICATION NO. 10/081,182		
INFORMATION DISCLOSURE STATEMENT						 			
(Use several sheets if necessary)			Ì	APPLICANTS Minoru KOSHIMIZU et al.					
				FILING DATE February 25, 2002					
		U.S. P	ATE	NT DOCL	MENTS				
EXAMINER INITIAL		DOCUMENT NUMBER	E	DATE	TE NAME		CLASS	SUB CLASS	
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SMB	1 1	Jp A 2000-111942	04/2	1/2000	Japan				
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i									
		OTHER DOCUMENTS (Incl	uding	g Author,	Fitle, Date, Pertinent Pag	es, etc.)			
SMB	2	Arisawa et al., "Electronic Paper using Cholesteric Liquid Crystal - Photo Addressing with Organic Photo Conductor -", Japan Hardcopy, pp. 89-92, 2000							
SMB	3	Kamiyama et al., "Research for Elgraphy", Japan Hardcopy, p. 25, 1996							
SMB	4 /	Yoshida et al., "Reflective Display with Photoconductive Layer and a Bistable, Reflective Cholesteric Mixture", SID Application Digest, pp. 59-62, 1996							
	<u> </u>			·····					
									
EXAMINER	AMINER /Stephen Brinich/					DATE CONSIDERED 12/14/2006			
Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.									

Date: April 4, 2002

					IPE	Sheet	1	of <u>1</u>
Form PTO-1449 US Dept. of Co (REV. 1/06) PATENT & TRADEMARK (OFFICE ATTY DOCKET NO. 112054		DOCKET NO. OCT 11 200		APPLICATION NO. 10/081,182		
(Use several sheets if necessary)				APPLICANT(S) Minoru KOSHIMIZU et al.				
				FILING DATE February 25, 2002		GROUP 2625		
		U	J.S. PATEN	T DOCUM	MENTS			
Examiner Initials	Cite No.	Document Number	Date		Name			
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		FORE	EIGN PATE	ENT DOC	UMENTS			
Examiner Initials	Cite No.	Document Number	Date		Country	E	With nglish bstract	With English Translation
SMB	1	JP A 2001-92016	4/6/2001		Japan		х	х
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		·	OTHER D	OCUME	PTV			
Examiner . Initials	Cite No.	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)						
SMB	2	Japanese Office Action No. 2001-230060, September 12, 2006						
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EXAMINER	/Ste	/Stephen Brinich/ DATE CONSIDERED 12/14/2006						
Examiner:	Initial if c	citation considered, whether or not citation considered. Include copy of this form with	on is in con	nformance nunication	with M.P.E.P. 609; draw line to applicant.	through citation	if not in	conformance

Date: October 11, 2006



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